Algebra Review:

1) $y = mx + b$

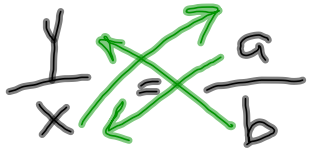
$-mx \quad -mx$

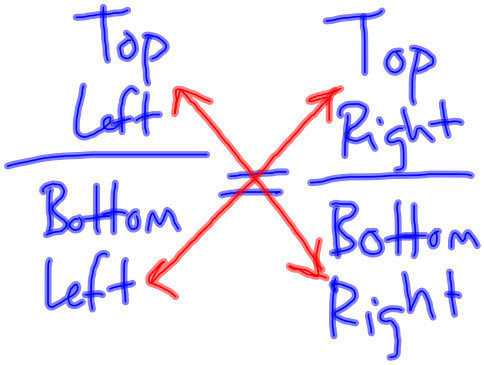
$y - mx = b$

2) $x\left(\frac{y}{x}\right) = \left(\frac{a}{b}\right)x$

$\left(\frac{b}{a}\right)y = \left(\frac{a}{b}\right)x\left(\frac{b}{a}\right)$

$\frac{by}{a} = x$





$\frac{yb}{a} = x$

3) $\frac{y}{x} = \frac{a}{b}$

$y = \frac{ax}{b}$

4) $\frac{y}{x} = \frac{a}{b}$

$\frac{ax}{y}\left(\frac{y}{ax}\right) = \left(\frac{1}{b}\right)\left(\frac{ax}{y}\right)$

$(b)(1) = \left(\frac{1}{b}\right)\left(\frac{ax}{y}\right)(b)$

$b = \frac{ax}{y}$

5) $\frac{y}{x} + \frac{b}{c} = a$

$-\frac{y}{x}$ $\qquad$ $-\frac{y}{x}$

$\frac{b}{c} = \frac{\left(a - \frac{y}{x}\right)}{1}$

$\frac{b}{a - \frac{y}{x}} = c$